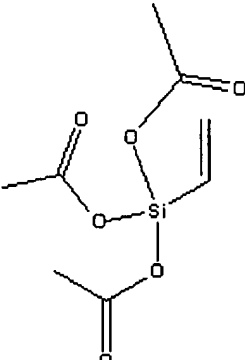


Enter a Chemical Name, CAS Number, Molecular Formula or Weight.
Use * for partial names (e.g. ben*).
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Vinyltriacetoxysilane [4130-08-9]

Synonyms: Triacetoxysilane; Vinyltriacetoxysilane;

	Tools	OpenChem
	BUY AT CHEMACK.COM VIEW CHEMDRAW STRUCT VIEW CHEM3D MODEL	VIEW LINKS ADD COMPOUND ADD/CHANGE PROPERTY ADD LINK
	CAS RN Lookup	
	THE MERCK INDEX NCI DATABASE	

Formula $C_8H_{12}O_6Si$

CAS RN 4130-08-9

ACX Number X1027373-3

Density 1.16

Refractive Index

Evaporation Rate

Flash Point (°C) 80

DOT Number

Comments

Molecular Weight 232.2652

Melting Point (°C) 7

Boiling Point (°C) 112 at 13 mm Hg

Vapor Density

Vapor Pressure

Water Solubility

EPA Code

RTECS

9)

More information about the chemical is available in these categories:

Health (1)

8(e) TRIAGE Chemical Studies Database

VTA5

Misc (1)

Petrarch

Information about this particular compound

Physical Properties (4)

ABCR GmbH&Co KGVinyl triacetoxysilaneVinyltriacetoxysilane, colorless liq.VinyltriacetoxysilaneNIST Chemistry WebBookInformation about this particular compound

Trading (2)

Available Chemicals ExchangeInformation about this particular compoundChemhunting

Enter a Chemical Name, CAS Number, Molecular Formula or Weight.

Use * for partial names (e.g. ben*).

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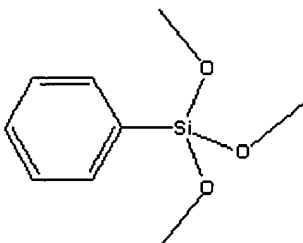
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Enter a Chemical Name, CAS Number, Molecular Formula or Weight.
Use * for partial names (e.g. ben*).
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Search

Phenyltrimethoxysilane [2996-92-1]

Synonyms: Phenyltrimethoxysilane; Trimethoxyphenylsilane;

	Tools	OpenChem
	BUY AT CHEMACK.COM VIEW CHEMDRAW STRUCT VIEW CHEM3D MODEL	VIEW LINKS ADD COMPOUND ADD/CHANGE PROPERTY ADD LINK
	CAS RN Lookup	
	THE MERCK INDEX NCI DATABASE	

Formula	C ₉ H ₁₄ O ₃ Si	Molecular Weight	198.2938
CAS RN	2996-92-1	Melting Point (°C)	
ACX Number	X1007365-5	Boiling Point (°C)	
Density		Vapor Density	
Refractive Index		Vapor Pressure	
Evaporation Rate		Water Solubility	
Flash Point (°C)		EPA Code	
DOT Number		RTECS	
Comments			

More information about the chemical is available in these categories:

Misc (1)

Petrarch

[Information about this particular compound](#)

Physical Properties (4)

b)

PTMS

ABCR GmbH&Co KG

Phenylmethoxysilane, 98%

Phenyltrimethoxysilane, 98%, colorless liq.

Phenyltrimethoxysilane

NIST Chemistry WebBook

Information about this particular compound

Trading (2)

Available Chemicals Exchange

Information about this particular compound

Chemhunting

Enter a Chemical Name, CAS Number, Molecular Formula or Weight.

Use * for partial names (e.g. ben*).

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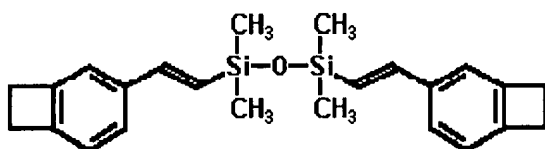
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BCB Properties



BCB monomer

Typical Properties


- Dielectric constant (ϵ_r): 2.65 ϵ_r vs freq.
- Dissipation factor ($\tan \delta$): 0.0008 – 0.002 (1 MHz – 10 GHz)
- High Frequency (400 - 1500 GHz)
- Breakdown voltage: 3.0×10^6 V/cm
- Volume resistivity: 1×10^{19} ohm-cm
- Moisture uptake
- Index of refraction vs wavelength
- Infrared spectrum
- UV/visible spectrum
- Transmission spectrum (300-800nm)
- Density : 1.05 (cured film)
- CTE vs temp
- Tg: $> 350^\circ\text{C}$ % cure vs Tg
- Tensile strength: 87 MPa
- Tensile modulus: 2.9 gpa
- Tensile elongation: 8%
- Stress vs temp
- Thermal stability

Other Features of BCB Resins

- Excellent planarization:
CYCLOTENE* 3000 Series Resin
CYCLOTENE 4000 Series Resin
- $< 5\%$ shrinkage during cure
- Negligible volatile evolution during cure

- Cure kinetics low cure temperatures (210°C - 250°C) vs rapid cures (seconds-minutes)
- No copper migration
- Film retention
- BCB Processing at University/Technology Centers

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L Number	Hits	Search Text	DB	Time stamp
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